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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,634	10/17/2003	Louis Oldenhove	F1580-00	1959
23909	7590	09/30/2005	EXAMINER	
COLGATE-PALMOLIVE COMPANY			BOYER, CHARLES I	
909 RIVER ROAD			ART UNIT	
PISCATAWAY, NJ 08855			PAPER NUMBER	

1751

DATE MAILED: 09/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/688,634

Applicant(s)

OLDENHOVE ET AL.

Examiner

Charles I. Boyer

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7/8/05.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

This action is responsive to applicants' amendment and response received June 17, 2005. Claims 1-3 are currently pending.

#### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 1 refers to a quaternized alkylol methosulfate having 2 to 18 carbon atoms. This is an insufficient description of this compound. A quaternary compound is typically a nitrogen atom, which necessarily has four substituent groups. Each of these groups must be defined. Based on the nomenclature of the "quaternized alkylol methosulfate" presently claimed, it is not even clear if a nitrogen atom is present, let alone what the four substituent groups are. Applicants are requested to provide a complete chemical formula, structure, or description of this compound so that an adequate search can be made.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. All of the rejections under 35 U.S.C. 102 are withdrawn in view of applicants' amendment and response.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mondin et al, US 5,716,925.

Mondin et al teach all purpose cleaners comprising 4,7% sodium paraffin sulfonate, 4% choline chloride, 4% diethylene glycol mono butyl ether and the balance water (col. 17, example 1E) wherein these compositions may be diluted up to 5 times with water (col. 18, lines 60-61). Highly suitable co-surfactants of the invention include propylene glycol ethers (col. 12, lines 38-57 and col. 13, lines 23-50). It would have been obvious to one of ordinary skill in the art to substitute a propylene glycol ether for

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the ethylene glycol ether of example 1E as both of these glycol ethers are taught as highly suitable in the cleaners of Mondin et al.

7. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Misselyn et al, US 5,552,089.

Misselyn et al teach liquid cleansing compositions comprising 4% sodium alkyl sulfonate, 3.5% diethylene glycol monobutyl ether, 4% choline chloride, and the balance water (col. 21, example 1A). Another example comprises 4% sodium alkyl sulfonate, 3.5% diethylene glycol monobutyl ether, 4% tri-hydroxyethyl methylammonium methosulfate (absent a clear definition of the quaternized alkylol methosulfate presently claimed, the examiner maintains this compound meets this claim limitation) and the balance water (col. 21, example 1B) wherein both of these examples are present in a 1.2% diluted solution (col. 23, lines 18-26). Note that the surfactants of the invention have been previously mixed with ethanol (col. 20, lines 18-30) and ethanol is present in these compositions in amounts as high as 5% (col. 28, claim 2). Highly suitable co-surfactants of the invention include propylene glycol ethers (col. 9, line 34-col. 10, line 5). It would have been obvious to one of ordinary skill in the art to substitute a propylene glycol ether for the ethylene glycol ether of example 1B as both of these glycol ethers are taught as highly suitable in the cleaners of Misselyn et al.

***Conclusion***

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles I. Boyer whose telephone number is 571 272 1311. The examiner can normally be reached on M-F 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571 272 1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, reading "Charles I Boyer". The signature is fluid and cursive, with the first name "Charles" and last name "Boyer" clearly distinguishable.

Charles I Boyer  
Primary Examiner  
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